

Math 1
List of Unit Standards
Spring Semester

The following is a list of all of the unit standards from spring semester:

- **5A: function features** Students identify key features of a function from different representations.
- **5B: function graphs** Students sketch appropriately labelled graphs showing key features.
- **5C: function translation** Students translate functions among symbolic representation, tables, and graphs.
- **5D: function comparison** Students compare functions from various representations.
- **5E: function arithmetic** Students combine functions arithmetically from various representations.
- **5F: create function** Students create functions from given inputs and outputs.
- **5G: function application** Students create real world problems involving functions.
- **8A: display data** Students use appropriate displays of data.
- **8B: data analysis** Students interpret center, shape, and spread of data sets.
- **8C: two – way tables** Students interpret two-way frequency tables.
- **8D: frequency** Students understand and use relative and conditional frequencies.
- **8E: correlation coefficient** Students determine and interpret the correlation coefficient for relationships that are approximately linear.
- **8F: residual plots** Students interpret and use residual plots to analyze the strength of a linear model for data.
- **6A: apply transformations** Students perform rigid motion transformations on shapes in the plane.
- **6B: identify transformations** Students identify and describe transformations performed on shapes in the plane.
- **6C: perpendicular lines** Students prove and use the criterion for slopes of perpendicular lines.
- **6D: congruence** Students understand and use properties of congruence.
- **6E: symmetry** Students understand and use properties of symmetry.
- **6F: triangles** Students understand and use criteria for congruent triangles and similar triangles.
- **6G: construction** Students construct geometric objects using compass and straight-edge.
- **7A: coordinate computation** Students use coordinates for computational purposes.
- **7B: loci** Students translate between geometric objects on a coordinate plane and their equations.
- **7C: coordinate proof** Students use coordinates to prove geometric theorems algebraically.
- **7D: function transformation** Students understand and use geometric transformations of functions to produce new functions.
- **7E: vectors** Students understand and use vectors and vector arithmetic.
- **7F: matrix properties** Students understand and use properties of matrix arithmetic.
- **7G: determinant** Students calculate and interpret determinants of 2×2 matrices.

There are some standards from fall semester that will be on the spring semester final exam. These standards are on the next page.

The following is a list of all of the review standards from fall semester that are on the spring semester final exam:

- **R1H: matrix arithmetic** Students understand and perform basic matrix arithmetic, including addition, subtraction, scalar multiplication, and matrix multiplication.
- **R2D: systems (algebra)** Students solve systems of linear equations by substitution or elimination.
- **R2E: systems (matrices)** Students solve systems of linear equations using matrices.
- **R4A: linear functions** Students determine intercepts and growth rates of linear functions and evaluate the use of various forms of linear equations.
- **R4B: exponential functions** Students determine intercepts, growth rates, and formulas of exponential functions.